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Danforth Plant Science Center Directly Awarded \$4 Million for Cutting-Edge Research, Will Lead National Alliance for Advanced Biofuels

(WASHINGTON, DC) - The United States Department of Energy has awarded a multi-million dollar grant to a consortium led by St. Louis-based Donald Danforth Plant Science Center to develop algae-based energy solutions that will help spur the creation of the domestic bio-industry and create new, clean-energy jobs.

Congressman Russ Carnahan (MO-3), who advocated for the Danforth Center's inclusion in the granting program, said that today's U.S. Department of Energy announcement firmly establishes the St. Louis region and the state of Missouri as the center of biofuels innovations that will help strengthen the economy and reduce our dependence on foreign oil."

"Investments like this are helping to set us on a real path toward energy independence by promoting American innovation. America's energy independence is going to take a commitment from everyone, including our best scientists, private industry and ordinary people doing their part."

said Congressman Russ

Carnahan (MO-3).

Led by the Danforth Center, the National Alliance for Advanced Biofuels and Bioproducts (NAABB) will receive \$44 million to develop a systems approach for sustainable commercialization of biofuel (such as renewable gasoline, diesel, and jet fuel) and other products derived from renewable biomass resources. The Danforth Center will receive \$4 million. Washington University in St. Louis will also receive \$1 million for its part in the research.

"Congressman Carnahan has taken a nationally recognized leadership role in promoting the development of renewable domestic energy programs, particularly oil-based biofuels from algae. This initial investment will help the industry contribute to energy independence and potentially generate 100,000s of new jobs nationally," said Dr. Richard Sayre, Chief Scientist, NAABB and Director of the Enterprise Rent-A-Car Institute for Renewable Fuels at the Danforth Center.

NAABB, led by the Danforth Center, will integrate resources from companies, universities, and national laboratories to break down critical barriers to the commercialization of algae-based and other advanced biofuels such as green aviation fuels, diesel, and gasoline that can be transported and sold using today's existing fueling infrastructure. The selected projects consist of leading scientists and engineers from universities, private industry, and government, and will facilitate sharing expertise and technologies.

"Missouri has become a leader in scientific and energy innovation, and I applaud today's grant recipients for being at the forefront of making our nation energy independent," said Congressman Carnahan.

Last year, The Danforth Center and Washington University were designated Energy Frontier Research Centers (EFRCs) by the Department of Energy to address critical knowledge and technology gaps in making the U.S. energy independent.

A second partnership, the National Advanced Biofuels Consortium (NABC) led by the National Renewable Energy Laboratory and Pacific Northwest National Laboratory, was awarded \$33.8 million to conduct research to develop infrastructure compatible, biomass-based hydrocarbon fuels. Collectively, the two consortia will be matched by private and non-federal cost-share funds of more than \$19 million for total project investments of over \$97 million.

"Advanced biofuels are crucial to building a clean energy economy," said Energy Secretary Steven Chu.

"By harnessing the power of science and technology, we can bring new biofuels to the market and develop a cleaner and more sustainable transportation sector.□□ This investment will help spur the creation of the domestic bio-industry, while creating jobs and reducing our dependence on foreign oil."

Secretary Chu also announced today the selection of two Missouri projects to receive up to \$400,000 in federal support and up to \$1,170,828 in non-federal cost-share funds to expand fueling infrastructure for ethanol blends including the installation of 16 flex-fuel pumps in the state of Missouri.

For a complete list and project descriptions of awards announced today please [click here](#).

Congressman Russ Carnahan serves on the U.S. House Science and Technology Committee and is a member of the Sustainable Energy and Environment Coalition (SEEC). Today's announcement included a total investment of nearly \$80 million under the American Recovery and Reinvestment Act for advanced biofuels research and fueling infrastructure that will help support the development of a clean sustainable transportation sector.

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